

What is Claimed is:

1. A cooler for holding a beverage receptacle, comprising:
  - a container adapted to enable the beverage receptacle to be inserted at least partially therein, wherein said container is adapted with an inner shell and outer shell  
5 secured together;
    - wherein said inner shell is provided with at least one support extended on the inside for engaging the beverage receptacle, wherein at least one of said at least one support is adapted to engage a portion of the beverage receptacle in a manner that helps to maintain the beverage receptacle in a substantially fixed position inside  
10 said container, wherein a space for storing ice particles is formed between the beverage receptacle and the inner shell;
      - a cap adapted to be substantially sealed onto said container, wherein said cap has an opening through which a neck of the beverage receptacle can be extended, wherein a sealing member is provided which can be pressed against a  
15 shoulder portion of the beverage receptacle when the beverage receptacle is in said container; and
        - wherein said cooler is adapted such that when said cap is substantially sealed onto said container with the beverage receptacle inside, said sealing member is capable of being pressed and substantially sealed against the shoulder portion of the  
20 beverage receptacle, to substantially seal the space with the ice particles inside the container in direct contact with the beverage receptacle.
  2. The cooler of Claim 1, wherein said at least one support comprises a plurality of support members extended inward from said inner shell of said container for self-centering and supporting the beverage receptacle, wherein at least one of said  
25 support members is adapted to fit into a groove or indentation located on a lower portion of the beverage receptacle, to substantially prevent the beverage receptacle from rotating inside said cooler.
  3. The cooler of Claim 1, wherein said at least one support comprises a support extending upward from a floor of said inner shell, wherein said support has an upper  
30 surface adapted to engage a lower portion of the beverage receptacle, wherein the engagement of said upper surface with the beverage receptacle helps to maintain the beverage receptacle in a substantially fixed position inside the container.
  4. The cooler of Claim 1, wherein a foam insulation material is injected into a cavity between said inner and outer shells.

5. The cooler of Claim 1, wherein a floor of said inner shell is formed with a curvature that helps to displace the ice particles upward when the ice particles are placed in the container and the beverage receptacle is inserted into the ice.

6. The cooler of Claim 1, wherein a pivoting handle is secured to said cap in a manner that allows the cooler to be carried and tilted for serving purposes.

7. The cooler of Claim 1, wherein the sealing member is made of a resilient material that is thick enough to seal beverage receptacles that are not made to exact dimensions.

8. The cooler of Claim 1, wherein the inner shell is blow-molded and has a relatively narrow neck with an exterior thread thereon, and the outer shell is injection molded with a handle thereon.

9. A cooling device for holding a beverage receptacle of a predetermined size and shape, comprising:

a container for holding ice particles therein, wherein said container is adapted to enable the beverage receptacle to be inserted at least partially therein, wherein a wall of said container is adapted such that when the beverage receptacle is placed in said cooling device, a space is formed between the beverage receptacle and said container for storing the ice particles therein;

wherein said wall of said container is formed with a draft that allows multiple containers of the same kind to be stacked on top of each other;

at least one support extended on the inside of said container adapted to engage and support the beverage receptacle in a manner that helps to maintain the beverage receptacle in a substantially fixed position in said container;

said at least one support having a draft to enable multiple containers with said at least one support stacked on top of each other;

a cap adapted to be secured onto said container, wherein said cap has an opening through which a neck of the beverage receptacle can be extended, and wherein a surface is provided on said cap that can be pressed against a shoulder portion of the beverage receptacle when the beverage receptacle is placed in said cooling device; and

wherein said cooling device is adapted such that when said cap is substantially secured onto said container, and said surface is pressed against the shoulder portion of the beverage receptacle, the beverage receptacle is held in a substantially fixed position between said surface and said at least one support.

10. The cooling device of Claim 9, wherein said cap is formed to snap onto or threaded on the top of the container.

11. The cooling device of Claim 9, wherein said at least one support comprises support members that are indented into said wall of said container.

5 12. The cooling device of Claim 9, wherein said container is injection molded and said wall is made having a substantially uniform thickness.

13. The cooling device of Claim 9, wherein a separate lid with a straw extending through is provided to replace the lid on the beverage receptacle.

10 14. A cooler for holding a beverage bottle of a predetermined size and shape, comprising:

a container for holding ice particles therein, wherein said container is adapted such that the bottle can be inserted at least partially therein, wherein said container is adapted such that with the bottle positioned in said container, a predetermined space is formed between the bottle and said container for storing the ice particles in  
15 direct contact with the bottle; and

said container has an opening into which the bottle can be inserted, wherein the opening has an inside edge that is capable of being secured to a predetermined portion of the bottle, wherein the engagement between the edge and predetermined portion of the bottle helps to keep the bottle in a substantially fixed position inside  
20 said container and helps to seal the space.

15. The cooler of Claim 14, wherein the bottle is provided with a horizontal rib along said predetermined portion into which the edge of the container can be snapped in, to maintain the bottle in said substantially fixed position.

25 16. The cooler of Claim 14, wherein the bottle is provided with a first threaded section along said predetermined portion, and the edge of the container is provided with a second threaded section that can engage the first threaded section, wherein the threaded sections allow the bottle to be held in the substantially fixed position.

17. A cap for use with a bottle cooler and bottle, comprising:

30 an opening through which a neck of the bottle can be extended, wherein a resilient sealing member is extended around the opening and adapted to be pressed and substantially sealed onto a shoulder portion of the bottle;

a threaded section located on a lower portion of said cap, to enable said cap to be substantially tightened and sealed; and

a plug for said opening to substantially seal the opening when said cap is used with the bottle cooler when no bottle is placed in said cooler.

18. The cap of Claim 17, wherein said plug has an insert portion that can be positioned inside said opening with a friction fit.

5 19. A cooler for holding a beverage receptacle of a predetermined size and shape, comprising:

a container adapted such that the beverage receptacle can be inserted at least partially therein, wherein said container is adapted such that with the receptacle positioned in said container, a predetermined space is formed between the  
10 receptacle and said container for placing a removable cooling means in direct contact with the receptacle;

a cap adapted to be secured onto said container, wherein said cap has an opening through which a neck of the beverage receptacle can be extended, wherein said cap can be pressed against a shoulder portion of the beverage receptacle when  
15 the beverage receptacle is placed in said container; and

at least one support on the inside of said container adapted to engage and support the beverage receptacle in a manner that helps to maintain the beverage receptacle in a substantially fixed position in said container.

20 20. The cooler of Claim 19, wherein said cooling means comprises at least one cooling ring adapted to fit around the receptacle within said space to keep the receptacle cold, and wherein a support portion for supporting said at least one cooling ring is provided on a lower portion of said container.

21. The cooler of Claim 20, wherein there is a plurality of said cooling rings capable of being stacked on top of each other in the space.

25 22. The cooler of Claim 20, wherein said at least one cooling ring is made such that it can be laid flat while stored in a freezer, and expanded to fit relatively snug around the beverage receptacle.